

8-24-05

DFV



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/784,031
Filing Date: 02/20/2004
Applicant: Cory Schaffhausen
Group Art Unit: 3731
Examiner: Not yet assigned
Title: METHOD AND APPARATUS FOR PERFORMING MENISCUS REPAIR
Attorney Docket: 5490-000359

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION

The patents, publications and other information requested to be considered by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

II. COPIES

A. ☒ Submitted herewith is a legible copy of (i) each foreign patent; (ii) each publication or that portion which caused it to be listed, other than U.S. patents and U.S. patent application publications unless required by the Office; (iii) each unpublished U.S. application listed below in Section IV (i.e., including the specification, claims, and any drawing of the application, or that portion of the application which caused it to be listed, including any claims directed to that portion), except for such applications filed on or after June 30, 2003, pursuant to the Waiver of the Copy Requirement in 37 C.F.R. 1.98 (OG Notice dated October 19, 2004); and (iv) all other information or that portion which caused it to be listed.

B. ☐ Any patents, publications or other information which are listed on Form 1449 or on the copies of PTO-892, but which are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:

U.S. Serial Number

U.S. Filing Date

C. ☐ This is a PCT application in the entry of the National Phase in the United States. A copy of the International Search Report is attached for the Examiner's information. The documents listed on the International Search report are listed on the attached Form 1449 for consideration by the Examiner and for listing on any patent resulting from this application. If the International Search report was from the US, EPO, or JPO search authorities, copies of these references should have been supplied to the USPTO under the trilateral agreement and are believed to be in the file of the above-identified application. (MPEP 1893.03(g).)

III. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)

A. ☒ Except as may be indicated below in (B), all of the patents, publications or other information are in the English language (concise explanation not required).

B. ☒ A concise explanation of the relevance of each patent, publication or other information listed that is not in the English language is as follows (see 37 C.F.R. § 1.98(a)(3)):

1. ☐ See the attached foreign patent office communication from a counterpart foreign application:

2. ☒ English translations are provided:

Abstract translations or other partial translations are provided attached to corresponding documents except as noted under item 3 below.

3. ☒ Other:

While Applicant does not possess an English translation for German Document No. DE 2919009, it appears to be directed to U.S. 4,235,238.

While Applicant does not possess an English translation for Japanese Document No. JP 62-295657, it appears to be directed to U.S. 4,896,668.

While Applicant does not possess an English translation for German Document No. DE 3225620, it appears to disclose a micro-surgical instrument with a cylindrical handle and including an angled working end and movable handle.

While Applicant does not possess an English translation for German Document No. DE 3136083, it appears to disclose a sewing instrument for surgical work having a curved needle and a shuttle for making chain stitch.

While Applicant does not possess an English translation for German Document No. DD 233303A1, it appears to disclose a closure plug for artery that is biased to fill a duct.

C. ☐ The following additional information is provided for the Examiner's consideration.

IV. CROSS REFERENCE TO RELATED APPLICATION(S)

A. ☒ The Examiner is advised that the following co-pending application(s) contain(s) subject matter that may be related to the present application. By bringing this(these) application(s) to the Examiner's attention, Applicant(s) does (do) not waive the confidentiality provisions of 35 U.S.C. § 122.

Serial No.
10/983236

Filing Date
11/05/2004

Art Unit
3731

V. THIS IDS IS BEING FILED UNDER

A. ☒ **37 C.F.R. § 1.97(b):** (check only one box)

1. ☐ within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required.

2. ☐ within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required.

3. ☒ before the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).

4. ☐ before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required.

B. ☐ **37 C.F.R. § 1.97(c):** (check only one box)

before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution.

1. ☐ No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

2. ☐ See the certification below. No fee is required.

C. ☐ **37 C.F.R. § 1.97(d):**

after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.

1. ☐ See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

VI. **CERTIFICATION UNDER 37 C.F.R. § 1.97(e):** (check only one box)

The undersigned hereby certifies that:

A. ☐ each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)). See further statement under 37 C.F.R. 1.704(d) below in section VII, if applicable; or

B. ☐ no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).

C. ☐ some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.

VII. STATEMENT UNDER 37 C.F.R. 1.704(d)

The undersigned hereby states that:

☐ each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this IDS.

VIII. PAYMENT OF FEES (check only one box)

A. ☐ A check in the amount of \$180.00 is enclosed for the above identified fee.

B. ☐ Please charge Deposit Account No. 08-0750 in the amount of \$180.00 for the above-indicated fee. A duplicate copy of this paper is attached.

The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 08-0750.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 08-0750.

Respectfully submitted,

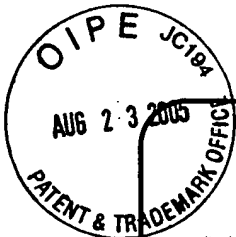
Dated: Aug 22, 2005

By: Richard W. Warner

Richard W. Warner
Reg. No. 38,043

Harness, Dickey & Pierce, P.L.C.
P.O. Box 828
Bloomfield Hills, Michigan 48303
(248) 641-1600

RWW/MAC



TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission	Application Number	5490-000359
	Filing Date	February 20, 2004
	First Named Inventor	Cory Schaffhausen
	Art Unit	3731
	Examiner Name	Not yet assigned
Attorney Docket Number		5490-000359

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1449 Form; 46-Foreign Patent Documents; 13-Other Documents; Return Postcard
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Remarks

The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Harness, Dickey & Pierce, P.L.C.	Attorney Name	Richard W. Warner	Reg. No.	38,043
Signature					
Date	August 22, 2005				

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Richard W. Warner	Express Mail Label No.	EV 570 164 945 US
Signature		Date	August 22, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

EV 570 164 945 US

FORM HDP-1449 (Based on Form PTO-1449)

ATTORNEY DOCKET NO.

SERIAL NO.

5490-000359

10/784,031

PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT

Cory Schaffhausen

FILING DATE

GROUP

02/20/2004

3731

Sheet 1 of 19



U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.		1,059,631	04/22/1913	A. Popovics		
2.		1,131,155	09/09/1915	T.W. Murphy		
3.		1,153,450	09/14/1915	S.R. Schaff		
4.		1,635,066	07/05/1927	W.A. Wells		
5.		2,065,659	12/29/1936	A.V. Cullen		
6.		2,108,206	02/15/1938	S. Meeker		
7.		2,302,986	11/24/1942	H.B. Vollrath		
8.		2,562,419	07/31/1951	G.L. Ferris		
9.		2,581,564	01/08/1952	J. Villegas		
10.		2,610,631	09/16/1952	D.J. Calicchio		
11.		2,669,774	02/23/1954	C.R. Mitchell		
12.		2,760,488	08/28/1956	R.B. Pierce		
13.		2,833,284	05/06/1958	H. A. Springer		
14.		2,846,712	08/12/1958	M. Markman		
15.		2,880,728	04/07/1959	C.S. Rights		
16.		2,881,762	04/14/1959	R.J. Lowrie		
17.		2,883,096	04/21/1959	H. Dawson		
18.		2,913,042	11/17/1959	J. Taylor		
19.		2002/0019649	02/14/2002	Sikora et al.		
20.		2002/0058966	05/16/2002	Tormala et al.		
21.		2002/0169452	11/14/2002	Tormala et al.		

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Sheet 2 of 19	ATTORNEY DOCKET NO.	SERIAL NO.
	5490-000359	10/784,031
	APPLICANT	
	Cory Schaffhausen	
	FILING DATE	GROUP
	02/20/2004	3731

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
22.		2003/0130694	07/10/2003	Bojarski et al.		
23.		2005/0033363	02/10/2005	Bojarski et al.		
24.		233,475	10/19/1880	C.F. Cook et al.		
25.		26,501	10/20/1859	W.A. Kendrick et al.		
26.		261,501	07/18/1882	J.L. Vandermark		
27.		3,000,009	09/19/1961	R.H. Selstad		
28.		3,013,559	12/19/1961	W.C. Thomas		
29.		3,037,619	06/05/1962	E. Stevans		
30.		3,090,386	05/21/1963	W.B. Curtis		
31.		3,103,666	09/17/1963	A.R. Bone		
32.		3,123,077	03/03/1964	J.H. Alcamo		
33.		3,125,095	03/17/1964	D. Kaufman et al.		
34.		3,209,422	10/05/1965	A. Dritz		
35.		3,399,432	09/03/1968	F.G. Merser		
36.		3,470,834	10/07/1969	A.R. Bone		
37.		3,470,875	10/07/1969	A.A. Johnson		
38.		3,500,820	03/17/1970	T.H.O. Almen		
39.		3,515,132	06/02/1970	C.A. McKnight		
40.		3,527,223	09/08/1970	Melvin Shein		
41.		3,541,591	11/17/1970	H.J. Hoegerman		

Examiner:	Date Considered:
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EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Sheet 3 of 19	ATTORNEY DOCKET NO.	SERIAL NO.
	5490-000359	10/784,031
	APPLICANT	
	Cory Schaffhausen	
	FILING DATE	GROUP
	02/20/2004	3731

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
42.		3,547,389	12/15/1970	Mitchell		
43.		3,618,447	11/09/1971	R.R. Goins		
44.		3,643,649	02/22/1972	Amato		
45.		3,664,345	05/23/1972	Dabbs et al.		
46.		3,675,639	07/11/1972	Cimber		
47.		3,695,271	10/03/1972	Chodorow		
48.		3,699,969	10/24/1972	Allen		
49.		3,716,058	02/13/1973	Tanner, Jr.		
50.		3,752,516	08/14/1973	Mumma		
51.		3,757,629	09/11/1973	Schneider		
52.		3,807,407	04/30/1974	Schweizer		
53.		3,825,010	07/23/1974	McDonald		
54.		3,840,017	10/08/1974	Violante		
55.		3,842,824	10/22/1974	Neufeld		
56.		3,842,840	10/22/1974	Schweizer		
57.		3,845,772	11/05/1974	Smith		
58.		3,867,933	02/25/1975	Kitrilakis		
59.		3,867,944	02/25/1975	Samuels		
60.		3,871,368	03/18/1975	Johnson et al.		
61.		3,871,379	03/18/1975	Clarke		

Examiner:	Date Considered:
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EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Sheet 4 of 19	ATTORNEY DOCKET NO.	SERIAL NO.
	5490-000359	10/784,031
	APPLICANT	
	Cory Schaffhausen	
	FILING DATE	GROUP
	02/20/2004	3731

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
62.		3,874,388	04/01/1975	King et al.		
63.		3,875,648	04/08/1975	Bone		
64.		3,910,281	10/07/1975	Kletschka et al.		
65.		3,931,667	01/13/1976	Merser et al.		
66.		3,943,932	03/16/1976	Woo		
67.		3,946,740	03/30/1976	Bassett		
68.		3,954,103	05/04/1976	Garcia-Roel et al.		
69.		3,961,632	06/08/1976	Moossun		
70.		3,976,079	08/24/1976	Samuels et al.		
71.		3,977,050	08/31/1976	Perez		
72.		3,979,799	09/14/1976	Merser et al.		
73.		3,985,138	10/12/1976	Jarvik		
74.		3,990,619	11/09/1976	Russell		
75.		4,006,747	02/08/1977	Kronenthal et al.		
76.		4,007,743	02/15/1977	Blake		
77.		4,013,071	03/22/1977	Rosenberg		
78.		4,094,313	06/13/1978	Komamura et al.		
79.		4,103,690	08/01/1978	Harris		
80.		4,121,487	10/24/1978	Bone		
81.		4,144,876	03/20/1979	DeLeo		

Examiner:	Date Considered:
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EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Sheet 5 of 19	ATTORNEY DOCKET No.	SERIAL No.
	5490-000359	10/784,031
	APPLICANT	
	Cory Schaffhausen	
	FILING DATE	GROUP
	02/20/2004	3731

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
82.		4,157,714	06/12/1979	Foltz et al.		
83.		4,160,453	07/10/1979	Miller		
84.		4,164,225	08/14/1979	Johnson et al.		
85.		4,172,458	10/30/1979	Pereyra		
86.		4,185,636	01/29/1980	Gabbay et al.		
87.		4,196,883	04/08/1980	Einhorn et al.		
88.		4,235,161	11/25/1980	Kunreuther		
89.		4,235,238	11/25/1980	Ogiu et al.		
90.		4,237,779	12/09/1980	Kunreuther		
91.		4,243,037	01/06/1981	Smith		
92.		4,275,717	06/30/1981	Bolesky		
93.		4,287,807	09/08/1981	Pacharis et al.		
94.		4,291,698	09/29/1981	Fuchs, deceased et al.		
95.		4,312,337	01/26/1982	Donohue		
96.		4,316,469	02/23/1982	Kapitanov		
97.		4,326,531	04/27/1982	Shimonaka		
98.		4,345,601	08/24/1982	Fukuda		
99.		4,349,027	09/14/1982	DiFrancesco		
100.		4,402,445	09/06/1983	Green		
101.		4,409,974	10/18/1983	Freedland		

Examiner:	Date Considered:
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EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Sheet 6 of 19	ATTORNEY DOCKET NO.	SERIAL NO.
	5490-000359	10/784,031
	APPLICANT	
	Cory Schaffhausen	
	FILING DATE	GROUP
	02/20/2004	3731

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
102.		4,438,769	03/27/1984	Pratt et al.		
103.		4,454,875	06/19/1984	Pratt et al.		
104.		4,462,395	07/31/1984	Johnson		
105.		4,493,323	01/15/1985	Albright et al.		
106.		4,505,274	03/19/1985	Speelman		
107.		4,531,522	07/30/1985	Bedi et al.		
108.		4,534,350	08/13/1985	Golden et al.		
109.		4,561,432	12/31/1985	Mazor		
110.		4,570,623	02/18/1986	Ellison et al.		
111.		4,590,928	05/27/1986	Hunt et al.		
112.		4,595,007	06/17/1986	Mericle		
113.		4,596,249	06/24/1986	Freda et al.		
114.		4,602,635	07/29/1986	Mulhollan et al.		
115.		4,602,636	07/29/1986	Noiles		
116.		4,616,650	10/14/1986	Green et al.		
117.		4,621,640	11/11/1986	Mulhollan et al.		
118.		4,624,254	11/25/1986	McGarry et al.		
119.		4,632,100	12/30/1986	Somers et al.		
120.		4,635,637	01/13/1987	Schreiber		
121.		4,636,121	01/13/1987	Miller		

Examiner:	Date Considered:
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EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

Sheet 7 of 19

ATTORNEY DOCKET NO.

5490-000359

SERIAL NO.

10/784,031

APPLICANT

Cory Schaffhausen

FILING DATE

02/20/2004

GROUP

3731

U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
122.		4,641,652	02/10/1987	Hutterer et al.		
123.		4,662,068	05/05/1987	Polonsky		
124.		4,667,675	05/26/1987	Davis		
125.		4,669,473	06/02/1987	Richards et al.		
126.		4,683,895	08/04/1987	Pohndorf		
127.		4,705,040	11/10/1987	Mueller et al.		
128.		4,719,917	01/19/1988	Barrows et al.		
129.		4,723,540	02/09/1988	Gilmer, Jr.		
130.		4,724,839	02/16/1988	Bedi et al.		
131.		4,738,255	04/19/1988	Goble et al.		
132.		4,741,330	05/03/1988	Hayhurst		
133.		4,741,336	05/03/1988	Failla et al.		
134.		4,750,492	06/14/1988	Jacobs		
135.		4,776,328	10/11/1988	Frey et al.		
136.		4,781,190	11/01/1988	Lee		
137.		4,784,126	11/15/1988	Hourahane		
138.		4,809,695	03/07/1989	Gwathmey et al.		
139.		4,823,794	04/25/1989	Pierce		
140.		4,832,026	05/23/1989	Jones		
141.		4,834,098	05/30/1989	Jones		

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U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
142.		4,841,960	06/27/1989	Garner		
143.		4,858,608	08/22/1989	McQuilkin		
144.		4,873,976	10/17/1989	Schreiber		
145.		4,887,601	12/19/1989	Richards		
146.		4,890,615	01/02/1990	Caspari et al.		
147.		4,895,148	01/23/1990	Bays et al.		
148.		4,896,668	01/30/1990	Popoff et al.		
149.		4,898,156	02/06/1990	Gatturna et al.		
150.		4,901,721	02/20/1990	Hakki		
151.		4,923,461	05/08/1990	Caspari et al.		
152.		4,946,468	08/07/1990	Li		
153.		4,950,285	08/21/1990	Wilk		
154.		4,961,741	10/09/1990	Hayhurst		
155.		4,968,315	11/06/1990	Gatturna		
156.		4,983,176	01/08/1991	Cushman et al.		
157.		401,677	11/13/1933	Hans Albert Roeder		
158.		417,805	12/24/1889	E.T. Beaman		
159.		487,304	12/06/1892	J.R. Todd		
160.		5,041,129	08/20/1991	Hayhurst et al.		
161.		5,053,046	10/01/1991	Janese		

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U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
162.		5,053,047	10/01/1991	Yoon		
163.		5,059,201	10/22/1991	Asnis		
164.		5,084,050	01/28/1992	Draenert		
165.		5,084,058	01/28/1992	Li		
166.		5,085,661	02/04/1992	Moss		
167.		5,087,263	02/11/1992	Li		
168.		5,123,913	06/23/1992	Wilk et al.		
169.		5,149,329	09/22/1992	Richardson		
170.		5,154,189	10/13/1992	Oberlander		
171.		5,156,616	10/20/1992	Meadows et al.		
172.		5,176,682	01/05/1993	Chow		
173.		5,178,629	01/12/1993	Kammerer		
174.		5,203,787	04/20/1993	Noblitt et al.		
175.		5,211,650	05/18/1993	Noda		
176.		5,235,238	11/25/1980	Ogiu et al.		
177.		5,258,015	11/02/1993	Li et al.		
178.		5,269,783	12/14/1993	Sander		
179.		5,269,809	12/14/1993	Hayhurst et al.		
180.		5,282,809	02/01/1994	Kammerer et al.		
181.		5,312,438	05/17/1994	Johnson		

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U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
182.		5,318,577	06/07/1994	Li		
183.		5,318,578	06/07/1994	Hasson		
184.		5,336,229	08/09/1994	Noda		
185.		5,336,231	08/09/1994	Adair		
186.		5,336,240	08/09/1994	Metzler et al.		
187.		5,342,369	08/30/1994	Harryman, II		
188.		5,358,511	10/25/1994	Gattorna et al.		
189.		5,374,268	12/20/1994	Sander		
190.		5,403,348	04/04/1995	Bonutti		
191.		5,417,691	05/23/1995	Hayhurst		
192.		5,437,680	08/01/1995	Yoon		
193.		5,439,684	08/08/1995	Prewett et al.		
194.		5,447,512	09/05/1995	Wilson et al.		
195.		5,467,786	11/21/1995	Allen et al.		
196.		5,470,337	11/28/1995	Moss		
197.		5,474,572	12/12/1995	Hayhurst		
198.		5,490,750	02/13/1996	Gundy		
199.		5,496,331	03/05/1996	Xu et al.		
200.		5,520,691	05/28/1996	Branch		
201.		5,522,820	06/04/1996	Caspari et al.		

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Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
202.		5,522,846	06/04/1996	Bonutti		
203.		5,527,342	06/18/1996	Pietrzak et al.		
204.		5,527,343	06/18/1996	Bonutti		
205.		5,545,178	08/13/1996	Kensey et al.		
206.		5,549,630	08/27/1996	Bonutti		
207.		5,549,631	08/27/1996	Bonutti		
208.		5,573,286	11/12/1996	Rogozinski		
209.		5,584,862	12/17/1996	Bonutti		
210.		5,601,557	02/11/1997	Hayhurst		
211.		5,601,571	02/11/1997	Moss		
212.		5,641,256	06/24/1997	Gundy		
213.		5,647,874	07/15/1997	Hayhurst		
214.		5,658,299	08/19/1997	Hart		
215.		5,658,313	08/19/1997	Thal		
216.		5,665,112	09/09/1997	Thal		
217.		5,683,419	11/04/1997	Thal		
218.		5,690,678	11/25/1997	Johnson		
219.		5,702,462	12/30/1997	Oberlander		
220.		5,713,904	02/03/1998	Errico et al.		
221.		5,716,359	02/10/1998	Oijma et al.		

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222.		5,718,717	02/17/1998	Bonutti		
223.		5,720,765	02/24/1998	Thal		
224.		5,725,556	03/10/1998	Moser et al.		
225.		5,728,109	03/17/1998	Schulze et al.		
226.		5,728,136	03/17/1998	Thal		
227.		5,733,306	03/31/1998	Bonutti		
228.		5,746,754	05/05/1998	Chan		
229.		5,749,898	05/12/1998	Schulze et al.		
230.		5,782,864	07/21/1998	Lizardi		
231.		5,796,127	08/18/1998	Hayafuji et al.		
232.		5,797,928	08/25/1998	Kogasaka		
233.		5,810,848	09/22/1998	Hayhurst		
234.		5,814,069	09/29/1998	Schulze et al.		
235.		5,843,084	12/01/1998	Hart et al.		
236.		5,846,254	12/08/1998	Schulze et al.		
237.		5,871,490	02/16/1999	Schulze et al.		
238.		5,891,168	04/06/1999	Thal		
239.		5,893,592	04/13/1999	Schulze et al.		
240.		5,895,395	04/20/1999	Yeung		
241.		5,897,564	04/27/1999	Schulze et al.		

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242.		5,941,439	08/24/1999	Kammerer et al.		
243.		5,948,002	09/07/1999	Bonutti		
244.		5,954,747	09/21/1999	Clark		
245.		5,964,783	10/12/1999	Grafton et al.		
246.		5,976,127	11/02/1999	Lax		
247.		5,980,524	11/09/1999	Justin et al.		
248.		5,980,558	11/09/1999	Wiley		
249.		5,980,559	11/09/1999	Bonutti		
250.		5,989,252	11/23/1999	Fumex		
251.		6,010,525	01/04/2000	Bonutti et al.		
252.		6,022,373	02/08/2000	Li		
253.		6,024,758	02/15/2000	Thal		
254.		6,039,753	03/21/2000	Meislin		
255.		6,045,574	04/04/2000	Thal		
256.		6,068,648	05/30/2000	Cole et al.		
257.		6,077,292	06/20/2000	Bonutti		
258.		6,117,160	09/12/2000	Bonutti		
259.		6,143,017	11/07/2000	Thal		
260.		6,149,653	11/21/2000	Deslauriers		
261.		6,149,669	11/21/2000	Li		

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Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
262.		6,156,039	12/05/2000	Thal		
263.		6,156,056	12/05/2000	Kearns et al.		
264.		6,159,234	12/12/2000	Bonutti et al.		
265.		6,200,330	03/13/2001	Bendereve et al.		
266.		6,228,096	05/08/2001	Marchand		
267.		6,231,592	05/15/2001	Bonutti et al.		
268.		6,245,081	06/12/2001	Bowman et al.		
269.		6,258,091	07/10/2001	Sevrain et al.		
270.		6,270,518	08/07/2001	Pedlick et al.		
271.		6,287,325	09/11/2001	Bonutti		
272.		6,306,159	10/23/2001	Schwartz et al.		
273.		6,312,448	11/06/2001	Bonutti		
274.		6,319,271	11/20/2001	Schwartz et al.		
275.		6,328,758	12/11/2001	Tornier et al.		
276.		6,342,060	01/29/2002	Adams		
277.		6,383,199	05/07/2002	Carter et al.		
278.		6,387,113	05/14/2002	Hawkins et al.		
279.		6,409,743	06/25/2002	Fenton, Jr.		
280.		6,423,088	07/23/2002	Fenton, Jr.		
281.		6,428,562	08/06/2002	Bonutti		

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U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
282.		6,464,713	10/15/2002	Bonutti		
283.		6,468,293	10/22/2002	Bonutti et al.		
284.		6,475,230	11/05/2002	Bonutti et al.		
285.		6,500,184	12/31/2002	Chan et al.		
286.		6,500,195	12/31/2002	Bonutti		
287.		6,511,498	01/28/2003	Fumex		
288.		6,527,794	03/04/2003	McDevitt et al.		
289.		6,540,770	04/01/2003	Tornier et al.		
290.		6,551,343	04/22/2003	Tormala et al.		
291.		6,554,852	04/29/2003	Oberlander		
292.		6,569,187	05/27/2003	Bonutti et al.		
293.		6,620,166	09/16/2003	Wenstrom, Jr., et al.		
294.		6,635,073	10/21/2003	Bonutti		
295.		6,652,562	11/25/2003	Collier et al.		
296.		6,656,182	12/02/2003	Hayhurst		
297.		6,814,741	11/09/2004	Bowman et al.		
298.		6,830,572	12/14/2004	McDevitt et al.		
299.		RE 22,857	03/25/1947	H.H. Ogburn		
300.		RE 29,819	10/31/1978	Bone		
301.		RE 37,963 E	01/07/2003	Thal		

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FOREIGN PATENT DOCUMENTS							
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
1.		0108912 A2	23.05.84	EUROPE		X	
2.		0260970 A2	23.03.88	EUROPE		X	
3.		0315371 A2	10.05.89	EUROPE		X	
4.		0598219 A2	25.05.94	EUROPE		X	
5.		0913123 A1	06.05.99	EUROPE		X	
6.		1013229 A2	28.06.00	EUROPE		X	
7.		WO9822047	14.11.97	WIPO		X	
8.		WO9901084	01.07.98	WIPO		X	
9.		WO9912480	10/09/98	WIPO		X	
10.		WO0139671 A1	28.11.00	WIPO		X	
11.		WO0236020 A1	24.10.01	WIPO		X	
12.		DE 3136083	24.03.83	GERMANY			X
13.		WO83/00615	03.03.83	WIPO		X	
14.		DE3225620 A1	03.02.83	GERMANY			X
15.		2 083 751	31.03.82	UNITED KINGDOM		X	
16.		WO 0139671 A1	07.06.01	WIPO		X	
17.		0 129 422	27.12.84	EUROPE		X	
18.		0 241 240	14.10.87	EUROPE		X	
19.		0 415 915	13.03.91	EUROPE		X	

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FOREIGN PATENT DOCUMENTS							
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
20.		2 118 474	02.11.83	UNITED KINGDOM		X	
21.		WO 86/03666	16.12.85	WIPO		X	
22.		54-178988	18.12.79	JAPAN		X	
23.		54-176284	12.12.79	JAPAN		X	
24.		54-166093	21.11.79	JAPAN		X	
25.		54-166092	21.11.79	JAPAN		X	
26.		53-62911	11.05.78	JAPAN			X
27.		53-62912	11.05.78	JAPAN		X	
28.		53-74942	01.06.78	JAPAN		X	
29.		53-78230	08.06.78	JAPAN		X	
30.		2 19 009 C2	22.11.79	GERMANY			X
31.		WO 89/10096	02.11.89	WIPO		X	
32.		62-159647	1987	JAPAN			X
33.		62-295657	1987	JAPAN			X
34.		59-21775	1984	JAPAN		X	
35.		43,812/68	11.09.73	AUSTRALIA		X	
36.		A-71108/87	08.10.87	AUSTRALIA		X	
37.		WO 87/01270	12.03.87	WIPO		X	
38.		58,504/69	28.01.71	AUSTRALIA		X	
39.		15,054/70	18.11.71	AUSTRALIA		X	

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Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation	
						Yes	No
40.		36,151/71	31.05.73	AUSTRALIA		X	
41.		59,638/69	25.02.71	AUSTRALIA		X	
42.		22,237/67	28.11.68	AUSTRALIA		X	
43.		49,572/64	24.03.66	AUSTRALIA		X	
44.		4,402/66	19.10.67	AUSTRALIA		X	
45.		50,285,69	13.08.70	AUSTRALIA		X	
46.		233 303 A1	26.02.86	GERMANY			X

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Ref. Desig.	Examiner's Initials	
1.		F. Alan Barber, M.D., "Using Sutures and Anchors," San Diego Shoulder Arthroscopy Course, 17th Annual Meeting.
2.		Hecker AT, et al., "Pull-out strength of suture anchors for rotator cuff and Bankart lesion repairs," Am J Sports Med. 1993.
3.		Flavia Namie Azato, et al. "Traction endurance biomechanical study of metallic suture anchors at different insertion angles," Acta ortop. bras., vol. 11, no. 1, Sao Paulo, Jan./Mar. 2003.
4.		F. Alan Barber, M.D., "Uses and Abuses of Sutures and Anchors," ShoulderScope, San Diego Shoulder Arthroscopy Library.
5.		Smith & Nephew Endoscopy, "Endoscopic Meniscal Repair Using the T-Fix;" 1996.
6.		Smith & Nephew, "Fast-Fix," Meniscal Repair System; 2001.
7.		Stuart E. Fromm, M.D., RapidLoc, Meniscal Repair System, Mitek Products, Ethicon, 2001.
8.		Opus Medical; The AutoCuff System; www.opusmedical.com.; 2003.

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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)		
Ref. Desig.	Examiner's Initials	
9.		Arthrotek, A Biomet Company; Knees; Sure fire Hybrid Meniscal Device.
10.		Arthrotek, A Biomet Company; Sure fire Hybrid Meniscal Device; Launch Date: Fall AANA 2004.
11.		Mark D. Miller et al.; "Pitfalls Associated with FasT-Fix Meniscal Repair," Arthroscopy: The Journal of Arthroscopic and Related Surgery, Vol. 18, No. 8 (October), 2002: pp. 939-943.
12.		Roy Alan Majors, M.D.; "Meniscal repairs: proven techniques and current trends," Lippincott Williams & Wilkins, Inc.; 2002.
13.		Shoulder Arthroscopy; pp. H-2 - H-22.

Examiner:	Date Considered:
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EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.